

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
Ad: FLUVAQUENTS-----	---	---	---	---	---	---	---	---	---	---
ATKINS MELVIN-----	---	---	---	---	---	---	---	---	---	---
At: ATKINS-----	5W	Slight	Severe	Moderate	---	Severe	American sycamore--- eastern cottonwood-- pin oak----- red maple----- sweetgum-----	--- 105 100 --- 95	--- 143.00 86.00 --- 114.00	eastern white pine, white spruce
BcB: ELLIBER-----	4F	Slight	Slight	Slight	---	Moderate	northern red oak--- yellow-poplar-----	80 90	57.00 86.00	black locust, black walnut, eastern white pine, European larch, Norway spruce, yellow-poplar
BcC: ELLIBER-----	4F	Moderate	Moderate	Moderate	---	Moderate	northern red oak--- yellow-poplar-----	85 95	72.00 100.00	black locust, black walnut, eastern white pine, European larch, Norway spruce, yellow-poplar
BcD: ELLIBER-----	4F	Moderate	Moderate	Moderate	---	Moderate	northern red oak--- yellow-poplar-----	85 95	72.00 100.00	black locust, black walnut, eastern white pine, European larch, Norway spruce, yellow-poplar
BrC: ELLIBER-----	4F	Moderate	Moderate	Moderate	---	Moderate	northern red oak--- yellow-poplar-----	85 95	72.00 100.00	black locust, black walnut, eastern white pine, European larch, Norway spruce, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber cu ft/ac	
BrD: ELLIBER-----	4F	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black locust, black walnut, eastern white pine, European larch, Norway spruce, yellow-poplar
BrE: ELLIBER-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black locust, black walnut, eastern white pine, European larch, Norway spruce, yellow-poplar
CaA: CAPTINA-----	4A	Slight	Slight	Slight	---	Moderate	black oak----- eastern redcedar---- northern red oak---- post oak----- white oak-----	65 40 65 --- 60	43.00 43.00 43.00 --- 43.00	northern red oak, shortleaf pine
ROBERTSVILLE-----	---	---	---	---	---	---	---	---	---	---
CaB: CAPTINA-----	4A	Slight	Slight	Slight	---	Moderate	black oak----- eastern redcedar---- northern red oak---- white oak-----	65 40 65 60	43.00 43.00 43.00 43.00	northern red oak, shortleaf pine
CaC: CAPTINA-----	4A	Slight	Slight	Slight	---	Moderate	black oak----- eastern redcedar---- northern red oak---- white oak-----	65 40 65 60	43.00 43.00 43.00 43.00	northern red oak, shortleaf pine
CbC: CHILHOWIE-----	4C	Slight	Slight	Moderate	---	Moderate	northern red oak---- shortleaf pine----- Virginia pine-----	60 60 60	43.00 86.00 86.00	eastern white pine

Table E2.--Forestland Management and Productivity--Continued

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Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
CkB: CLARKSBURG-----	5A	Slight	Slight	Slight	---	Severe	northern red oak---- yellow-poplar-----	75 85	57.00 86.00	eastern white pine, Japanese larch, Norway spruce, yellow-poplar
MELVIN-----	---	---	---	---	---	---	---	---	---	---
CkC: CLARKSBURG-----	5A	Slight	Slight	Slight	---	Severe	northern red oak---- yellow-poplar-----	75 85	57.00 86.00	eastern white pine, Japanese larch, Norway spruce, yellow-poplar
DaB: DEKALB-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak----	57	43.00	Austrian pine, eastern white pine, Japanese larch, red pine, Virginia pine
DaC: DEKALB-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DaD: DEKALB-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DbB: DEKALB-----	4A	Slight	Slight	Moderate	---	Moderate	northern red oak----	57	43.00	Austrian pine, eastern white pine, Japanese larch, red pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
DbC: DEKALB-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DbD: DEKALB-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DeC: DEKALB-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DeD: DEKALB-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DeE: DEKALB-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DeF: DEKALB-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak----	52	29.00	eastern white pine, Norway spruce, Virginia pine, white spruce
DfB: DUFFIELD-----	5A	Slight	Slight	Slight	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber cu ft/ac	
DfC: DUFFIELD-----	5R	Slight	Slight	Slight	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
DfD: DUFFIELD-----	5R	Moderate	Moderate	Moderate	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
DfD3: DUFFIELD-----	5R	Moderate	Moderate	Moderate	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
DfE: DUFFIELD-----	5R	Moderate	Moderate	Moderate	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
DkB: DUFFIELD-----	5A	Slight	Slight	Slight	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

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Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
DtB: DUNMORE-----	5A	Slight	Slight	Slight	---	Severe	eastern white pine-- shortleaf pine----- Virginia pine----- white oak----- yellow-poplar-----	80 70 70 70 90	143.00 114.00 114.00 57.00 86.00	black walnut, eastern white pine, loblolly pine, shortleaf pine, yellow- poplar
DtC: DUNMORE-----	5A	Slight	Slight	Slight	---	Severe	eastern white pine-- shortleaf pine----- Virginia pine----- white oak----- yellow-poplar-----	80 70 70 70 90	143.00 114.00 114.00 57.00 86.00	black walnut, eastern white pine, loblolly pine, shortleaf pine, yellow- poplar
DtD: DUNMORE-----	5R	Moderate	Moderate	Moderate	---	Severe	eastern white pine-- shortleaf pine----- Virginia pine----- white oak----- yellow-poplar-----	80 70 70 70 90	143.00 114.00 114.00 57.00 86.00	black walnut, eastern white pine, loblolly pine, shortleaf pine, yellow- poplar
DuD3: DUNMORE-----	5R	Moderate	Moderate	Moderate	---	Severe	eastern redcedar---- eastern white pine-- loblolly pine----- Virginia pine----- yellow-poplar-----	40 70 70 60 ---	43.00 114.00 86.00 86.00 ---	eastern redcedar, eastern white pine, loblolly pine
DvB: DUNMORE-----	5A	Slight	Slight	Slight	---	Severe	eastern white pine-- shortleaf pine----- Virginia pine----- white oak----- yellow-poplar-----	80 70 70 70 90	143.00 114.00 114.00 57.00 86.00	black walnut, eastern white pine, loblolly pine, shortleaf pine, yellow- poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
DvC: DUNMORE-----	5A	Slight	Slight	Slight	---	Severe	eastern white pine-- shortleaf pine----- Virginia pine----- white oak----- yellow-poplar-----	80 70 70 70 90	143.00 114.00 114.00 57.00 86.00	black walnut, eastern white pine, loblolly pine, shortleaf pine, yellow- poplar
DvD: DUNMORE-----	5R	Moderate	Moderate	Moderate	---	Severe	eastern white pine-- shortleaf pine----- Virginia pine----- white oak----- yellow-poplar-----	80 70 70 70 90	143.00 114.00 114.00 57.00 86.00	black walnut, eastern white pine, loblolly pine, shortleaf pine, yellow- poplar
FcB: FREDERICK-----	5A	Slight	Moderate	Moderate	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FcC: FREDERICK-----	5A	Slight	Moderate	Moderate	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FcD: FREDERICK-----	---	---	---	---	---	---	---	---	---	---
FcE: FREDERICK-----	---	---	---	---	---	---	---	---	---	---
FdB: FREDERICK-----	5A	Slight	Moderate	Slight	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
FdC: FREDERICK-----	5A	Slight	Moderate	Slight	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FdD: FREDERICK-----	5R	Moderate	Moderate	Moderate	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FdE: FREDERICK-----	5R	Severe	Severe	Moderate	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FkB: FREDERICK-----	5A	Slight	Moderate	Moderate	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FkC: FREDERICK-----	5A	Slight	Moderate	Moderate	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar
FmB: FREDERICK-----	5A	Slight	Moderate	Slight	---	Severe	black locust----- black walnut----- northern red oak---- white oak----- yellow-poplar-----	80 76 76 76 86	57.00 57.00 57.00 57.00 86.00	black walnut, eastern white pine, Scotch pine, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

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Table E2.--Forestland Management and Productivity--Continued

[illegible]

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
HaB: CLYMER-----	4A	Slight	Slight	Slight	---	Moderate	eastern white pine-- northern red oak---- yellow-poplar-----	90 77 90	143.00 57.00 86.00	black cherry, eastern white pine, Virginia pine, yellow- poplar
RAYNE-----	4A	Slight	Slight	Slight	---	Moderate	eastern white pine-- northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	90 80 75 75 90	143.00 57.00 114.00 114.00 86.00	black cherry, eastern white pine, Norway spruce, Virginia pine, yellow- poplar
HaC: CLYMER-----	4A	Slight	Slight	Slight	---	Moderate	eastern white pine-- northern red oak---- yellow-poplar-----	90 77 90	143.00 57.00 86.00	black cherry, eastern white pine, Virginia pine, yellow- poplar
RAYNE-----	4A	Slight	Slight	Slight	---	Moderate	eastern white pine-- northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	90 80 75 75 90	143.00 57.00 114.00 114.00 86.00	black cherry, eastern white pine, Norway spruce, Virginia pine, yellow- poplar
Hu: HUNTINGTON-----	5A	Slight	Slight	Slight	---	Severe	northern red oak---- yellow-poplar-----	85 95	72.00 100.00	black locust, black walnut, eastern white pine, yellow-poplar
LaB: LAIDIG-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak---- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
MELVIN-----	---	---	---	---	---	---	---	---	---	---
LaC: LAIDIG-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak--- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
LaD: LAIDIG-----	4R	Moderate	Moderate	Moderate	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak--- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
LaE: LAIDIG-----	4R	Moderate	Moderate	Moderate	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak--- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
LbC: LAIDIG-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak--- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
LbD: LAIDIG-----	4R	Moderate	Moderate	Moderate	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak--- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
LbE: LAIDIG-----	4R	Moderate	Moderate	Moderate	---	Moderate	black cherry----- black locust----- eastern white pine-- northern red oak--- sugar maple----- white ash----- white oak----- yellow-poplar-----	80 80 90 80 80 80 80 90	57.00 --- 172.00 57.00 57.00 57.00 57.00 86.00	black cherry, black locust, black walnut, eastern white pine, Japanese larch, Norway spruce, yellow-poplar
LcB: LAWRENCE-----	4A	Slight	Slight	Slight	---	Moderate	American beech----- black oak----- common hackberry--- pin oak----- red maple----- sweetgum----- white oak----- yellow-poplar-----	--- 78 --- --- --- 89 74 85	--- 57.00 --- --- --- 100.00 57.00 86.00	American sycamore, eastern white pine, sweetgum, white ash, white oak, yellow-poplar
LdB: ERNEST-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- black walnut----- northern red oak--- sugar maple----- white ash----- yellow-poplar-----	80 --- 80 80 80 89	57.00 --- 57.00 57.00 57.00 86.00	eastern white pine, Japanese larch, Norway spruce
BRINKERTON-----	---	---	---	---	---	---	---	---	---	---
LhD: LEHEW-----	4R	Moderate	Moderate	Moderate	---	Moderate	eastern white pine-- northern red oak--- Virginia pine-----	--- 67 60	--- 43.00 86.00	eastern white pine, Japanese larch, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
LhE: LEHEW-----	4R	Severe	Severe	Moderate	---	Moderate	eastern white pine-- northern red oak---- Virginia pine-----	--- 67 60	--- 43.00 86.00	eastern white pine, Japanese larch, Virginia pine
Ln: LINDSIDE-----	4A	Slight	Slight	Slight	---	Moderate	black walnut----- northern red oak---- red maple----- white ash----- white oak----- yellow-poplar-----	--- 86 --- 85 85 95	--- 72.00 --- 57.00 72.00 100.00	black oak, black walnut, eastern white pine, Japanese larch, northern red oak, Norway spruce, shortleaf pine, white ash, white oak, yellow-poplar
MELVIN-----	---	---	---	---	---	---	---	---	---	---
LsB: LITZ-----	3F	Slight	Slight	Moderate	---	Slight	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LsC: LITZ-----	3F	Slight	Slight	Moderate	---	Slight	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LsD: LITZ-----	3R	Moderate	Moderate	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LsE: LITZ-----	3R	Severe	Severe	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LsF: LITZ-----	3R	Severe	Severe	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
LtB: LITZ-----	4F	Slight	Slight	Moderate	---	Slight	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtC: LITZ-----	4F	Slight	Slight	Moderate	---	Slight	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtC3: LITZ-----	4F	Slight	Slight	Moderate	---	Slight	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtD: LITZ-----	4R	Moderate	Moderate	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtD3: LITZ-----	4R	Moderate	Moderate	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtE: LITZ-----	4R	Severe	Severe	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtE3: LITZ-----	4R	Severe	Severe	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
LtF: LITZ-----	4R	Severe	Severe	Moderate	---	Slight	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

[illegible]

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
Mb: MELVIN-----	4W	Slight	Moderate	Moderate	---	Severe	American elm----- common hackberry---- eastern cottonwood-- green ash----- hickory----- pin oak----- red maple----- sweetgum-----	--- --- 95 --- --- 99 --- 92	--- --- 114.00 --- --- 86.00 --- 114.00	American sycamore, eastern cottonwood, loblolly pine, pin oak, sweetgum
MgA: MONONGAHELA-----	4A	Slight	Slight	Slight	---	Moderate	black walnut----- eastern white pine-- northern red oak--- Virginia pine----- white ash----- yellow-poplar-----	--- 72 70 66 --- 85	--- 129.00 57.00 100.00 --- 86.00	black cherry, eastern white pine, Japanese larch, Virginia pine, yellow- poplar
ROBERTSVILLE-----	---	---	---	---	---	---	---	---	---	---
MgB: MONONGAHELA-----	4A	Slight	Slight	Slight	---	Moderate	black walnut----- eastern white pine-- northern red oak--- Virginia pine----- white ash----- yellow-poplar-----	--- 72 70 66 --- 85	--- 129.00 57.00 100.00 --- 86.00	black cherry, eastern white pine, Japanese larch, Virginia pine, yellow- poplar
ROBERTSVILLE-----	---	---	---	---	---	---	---	---	---	---
MgC: MONONGAHELA-----	4A	Slight	Slight	Slight	---	Moderate	black walnut----- eastern white pine-- northern red oak--- Virginia pine----- white ash----- yellow-poplar-----	--- 72 70 66 --- 85	--- 129.00 57.00 100.00 --- 86.00	black cherry, eastern white pine, Japanese larch, Virginia pine, yellow- poplar
MoC: WEIKERT-----	3D	Slight	Slight	Severe	---	Slight	northern red oak--- Virginia pine-----	59 56	43.00 86.00	eastern white pine, red pine, shortleaf pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
MoC3: WEIKERT-----	3D	Slight	Slight	Severe	---	Slight	northern red oak---- Virginia pine-----	59 56	43.00 86.00	eastern white pine, red pine, shortleaf pine, Virginia pine
MoD: WEIKERT-----	3R	Moderate	Moderate	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MoD3: WEIKERT-----	3R	Moderate	Moderate	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MoE: WEIKERT-----	3R	Severe	Severe	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MoE3: WEIKERT-----	3R	Severe	Severe	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MoF: WEIKERT-----	3R	Severe	Severe	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MoF3: WEIKERT-----	3R	Severe	Severe	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MsB3: WEIKERT-----	3D	Slight	Slight	Severe	---	Slight	northern red oak---- Virginia pine-----	59 56	43.00 86.00	eastern white pine, red pine, shortleaf pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
MsC3: WEIKERT-----	3D	Slight	Slight	Severe	---	Slight	northern red oak---- Virginia pine-----	59 56	43.00 86.00	eastern white pine, red pine, shortleaf pine, Virginia pine
MsD3: WEIKERT-----	3R	Moderate	Moderate	Severe	---	Slight	northern red oak---- Virginia pine-----	64 60	43.00 86.00	eastern white pine, shortleaf pine, Virginia pine
MuB: MURRILL-----	5A	Slight	Slight	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar
MuC: MURRILL-----	5A	Slight	Slight	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar
MuD: MURRILL-----	5R	Moderate	Moderate	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar
MuE: MURRILL-----	5R	Severe	Severe	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
									cu ft/ac	
MvC: MURRILL-----	5A	Slight	Slight	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar
MvD: MURRILL-----	5R	Moderate	Moderate	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar
MvE: MURRILL-----	5R	Severe	Severe	Slight	---	Severe	black walnut----- eastern white pine-- northern red oak---- white ash----- yellow-poplar-----	--- 80 72 70 94	--- 143.00 57.00 43.00 100.00	black walnut, eastern white pine, Japanese larch, Norway spruce, yellow- poplar
Ph: PHILO-----	4A	Slight	Slight	Slight	---	Severe	black oak----- northern red oak---- Virginia pine----- white ash----- white oak----- yellow-poplar-----	85 86 74 85 85 102	72.00 72.00 114.00 57.00 72.00 114.00	eastern white pine, yellow-poplar
ATKINS-----	---	---	---	---	---	---	---	---	---	---
PkB: LAWRENCE-----	4A	Slight	Slight	Slight	---	Moderate	American beech----- black oak----- common hackberry---- pin oak----- red maple----- sweetgum----- white oak----- yellow-poplar-----	--- 78 --- --- --- 89 74 85	--- 57.00 --- --- --- 100.00 57.00 86.00	American sycamore, eastern white pine, sweetgum, white ash, white oak, yellow-poplar

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
MELVIN-----	---	---	---	---	---	---	---	---	---	---
Po: POPE-----	5A	Slight	Slight	Slight	---	Severe	American basswood--- American beech----- American sycamore--- bitternut hickory--- blackgum----- eastern hemlock----- northern red oak--- white oak----- yellow-poplar-----	--- --- --- --- --- --- --- 80 96	--- --- --- --- --- --- --- 57.00 100.00	black walnut, eastern white pine, northern red oak, shortleaf pine, white ash, white oak, yellow- poplar
ATKINS-----	---	---	---	---	---	---	---	---	---	---
Ro: ROBERTSVILLE-----	4W	Slight	Moderate	Moderate	---	Severe	American beech----- black oak----- green ash----- pin oak----- red maple----- sweetgum----- white oak----- yellow-poplar-----	--- 86 --- 96 --- 94 --- 86	--- 57.00 --- 57.00 --- 114.00 --- 86.00	American sycamore, green ash, loblolly pine, pin oak, sweetgum
SoD: LITHIC UDORTHENTS-----	---	---	---	---	---	---	---	---	---	---
SpE: LITHIC UDORTHENTS-----	---	---	---	---	---	---	---	---	---	---
SrF: ROCK OUTCROP,HARD-----	---	---	---	---	---	---	---	---	---	---
SvC: SUMMERS-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- northern red oak----	70 70	43.00 57.00	black cherry, eastern white pine, Virginia pine
TaB: CALVIN-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak--- yellow-poplar-----	71 71	57.00 57.00	eastern white pine, red pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordi- nation symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equip- ment limita- tion	Seedling mortal- ity	Wind- throw hazard	Plant competi- tion	Common trees	Site index	Volume of wood fiber cu ft/ac	
CATEACHE-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
TaC: CALVIN-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	71 71	57.00 57.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
TaC3: CALVIN-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	71 71	57.00 57.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
TaD: CALVIN-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4R	Moderate	Moderate	Moderate	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
TaE: CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
TcD3: CALVIN-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

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Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber cu ft/ac	
T1D: CALVIN-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4R	Moderate	Severe	Moderate	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
LITZ-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
T1E: CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
LITZ-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TmB3: CALVIN-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	71 71	57.00 57.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
LITZ-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber cu ft/ac	
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TmC3: CALVIN-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	71 71	57.00 57.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4A	Slight	Slight	Slight	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
LITZ-----	4F	Slight	Slight	Moderate	---	Moderate	northern red oak---- shortleaf pine----- Virginia pine----- yellow-poplar-----	74 72 61 93	57.00 114.00 86.00 100.00	eastern white pine, shortleaf pine, Virginia pine
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TmD3: CALVIN-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4R	Moderate	Severe	Moderate	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
LITZ-----	4R	Moderate	Moderate	Moderate	---	Moderate	northern red oak---- Virginia pine----- yellow-poplar-----	80 65 95	57.00 100.00 100.00	eastern white pine, shortleaf pine, Virginia pine
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TmE3: CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	77 80	57.00 72.00	eastern white pine, red pine, Virginia pine
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	black cherry----- cucumbertree----- northern red oak----	80 80 80	57.00 --- 57.00	black cherry, black locust, Norway spruce
LITZ-----	4R	Severe	Severe	Moderate	---	Moderate	northern red oak---- yellow-poplar-----	--- 95	--- 100.00	---

Table E2.--Forestland Management and Productivity--Continued

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Trees to manage
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber cu ft/ac	
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TmF:										
CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
LITZ-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TmF3:										
CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
LITZ-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TrC:										
CALVIN-----	4F	Moderate	Moderate	Moderate	---	Moderate	---	---	---	---
CATEACHE-----	4A	Moderate	Moderate	Slight	---	Moderate	---	---	---	---
LITZ-----	4F	Moderate	Moderate	Moderate	---	Moderate	---	---	---	---
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TrE:										
CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
LITZ-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
OTHER SOILS-----	---	---	---	---	---	---	---	---	---	---
TrF:										
CALVIN-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
CATEACHE-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---
LITZ-----	4R	Severe	Severe	Moderate	---	Moderate	---	---	---	---

Table E2.--Forestland Management and Productivity--Continued

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